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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/710,511 07/16/2004		David Goren	BUR920040085US1 4510		
45831	7590 03/15/2006		EXAMINER		
DILLON & YUDELL LLP 8911 N. CAPITAL OF TEXAS HWY.,			BUI, BRYAN		
SUITE 2110	THE OF TEMASTIW I	,	ART UNIT	PAPER NUMBER	
AUSTIN, TX 78759		•	2863	2863	

2863
DATE MAILED: 03/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/710,511	GOREN ET AL.			
		Examiner	Art Unit			
		Bryan Bui	2863			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)□	Responsive to communication(s) filed on	_•				
,	This action is FINAL . 2b) ☐ This action is non-final.					
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
•	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠	4)⊠ Claim(s) <u>1-24</u> is/are pending in the application.					
4	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠	5)⊠ Claim(s) <u>1-24</u> is/are allowed.					
6)	6) Claim(s) is/are rejected.					
7)						
8)□	8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers						
9)🛛 🗆	The specification is objected to by the Examine	r.				
10)⊠ The drawing(s) filed on <u>16 July 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	nder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:				

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DETAILED ACTION

1. This application is examined. Claims 1-24 are pending in the application.

Specification

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

- 3. The abstract of the disclosure is objected to because the abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. Correction is required. See MPEP § 608.01(b).
- The disclosure is objected to because in the specification, paragraph 0016, line 9, the term "- A" should be --A –(do not have minus sign inthere). In paragraph 0028, line 1, the term " toX_m ", should be $-tox_m$ --(the letter x should be in lower case to match with the expressions in equations (7) and (8) as showed in paragraphs 0027 and 0029).

Allowable Subject Matter

5. The following is a statement of reasons for the indication of allowable subject matter:

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Claims 1-24 are allowable over the prior art of record none of the prior art whether taken singularly or in combination to teach the claimed combination as recited, especially when these limitations are considered within the specific combination, particularly require with other limitations of the claims in method/ computer program product/computer system for determining whether or not an accuracy of the set of physically-based fringing capacitance equations meets a predetermined threshold and in response to a determination that an accuracy of the set of physically-based fringing capacitance equations meets the predetermined threshold, utilizing the set of physically-based fringing capacitance equations in compact device models to determine fringing capacitance on the passive device.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The reference US20020007258 discloses device model for analytical expressions to model the fundamental electric charge and field structure of HEMT internal structure, and the model provide the model elements for a standard small signal equivalent circuit model of FET and derive from small signal excitation analysis of intrinsic charge and electric field as modeled within the device (Abstract); Reference (US 20040251513) discloses in figures 9-11, paragraphs 0045, 0047,0054 comprising fringing capacitance Csw2, and the substrate 80 includes passive device, and total

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sidewall capacitance Csw, regions in formed transistor, and mainly attributed to the electric field in barrier layer and low dielectric layer.

None of the reference above teach or suggest the claimed combination as recited in the instant application.

7. This application is in condition for allowance except for the following formal matters:

In paragraphs 3-4 as set forth above.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bryan Bui whose telephone number is 571-272-2271.

The examiner can normally be reached on M-Th from 7am-4pm, and Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Barlow can be reached on 571-272-2269. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BB

3/13/2006

BRYAN BUI PRIMARY EXAMINER